CLAIMS:

1. A low-temperature-stabilized additive for fuel oils having a sulfur content of up 0.05% by weight, comprising fatty acid mixtures of

A1) from 1 to 99% by weight of at least one saturated mono- or dicarboxylic acid having from 6 to 50 carbon atoms,

A2) from 1 to 99% by weight of at least one unsaturated mono- or dicarboxylic acid having from 6 to 50 carbon atoms,

and

B) at least one polar nitrogen-containing compound which is effective as paraffin dispersant in middle distillates, in an amount of from 0.01 to 90% by weight, based on the total weight of A1), A2) and B).

2. An additive as claimed in claim 1, in which constituent A is a carboxylic acid having from 12 to 22 carbon atoms.

3. An additive as claimed in claim 1, comprising from 1 to less than 20% by weight of A1) and from greater than 80 to 95% by weight of A2).

4. An additive as claimed in claim 1, in which the mixture of A1) and A2) has an iodine number of at least 40 g of I / 100 g.

5. An additive as claimed in claim 1, in which the mixture of A1) and A2) comprises from 1 to 40% by weight of resin acids.

6. An additive as claimed in claim 1, in which oil-soluble polar amine salts or amides are present as paraffin dispersants.

7. A low-temperature-stabilized solution of an additive as claimed in claim 1 in

an organic solvent, where the solution comprises from 1 to 80% by weight of solvent.

8. A low-temperature-stabilized solution as claimed in claim 7, where the solvent employed is an aliphatic and/or aromatic and/or oxygen-containing hydrocarbon.

9. A low-temperature-stabilized fatty acid mixture comprising

A1) from 1 to 99% by weight of at least one saturated mono- or dicarboxylic acid having from 6 to 50 carbon atoms,

A2) from 1 to 99% by weight of at least one unsaturated mono- or dicarboxylic acid having from 6 to 50 carbon atoms,

and

B) at least one polar nitrogen-containing compound which is effective as paraffin dispersant in middle distillates, in an amount of from 0.01 to 90% by weight, based on the total weight of A1), A2) and B).

10. A fuel oil comprising, besides a middle distillate having a sulfur content of up to 0.05% by weight, an additive as claimed in claim 1.

11. The use of an additive as claimed in claim 1 for improving the lubrication properties of low-sulfur middle distillates having a sulfur content of up to 0.05% by weight.